PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 59104WO003	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.			
International application No. PCT/US04/38033	International filing date (day/month/year) 12 November 2004 (12.11.2004)	(Earliest) Priority Date (day/month/year) 14 November 2003 (14.11.2003)		
Applicant 3M INNOVATIVE PROPERTIES COMPANY This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the Report a. With regard to the language, the international search was carried out on the basis of:				
a translation of of a translation of a translation b. With regard to any nucleo Certain claims were foun Unity of invention is lack With regard to the title, the text is approved as sub		, which is the language ch (Rules 12.3(a) and 23.1(b))		
5. With regard to the abstract, the text is approved as subthe text has been establish may, within one month free	omitted by the applicant. led, according to Rule 38.2(b), by this Authority om the date of mailing of this international searc	as it appears in Box No. IV. The applicant the report, submit comments to this Authority.		
as suggested by the as selected by this	he applicant. Is Authority, because the applicant failed to suggest a Authority, because this figure better characteric published with the abstract.	gest a figure.		

Form PCT/ISA/210 (first sheet) (April 2005)

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
This internation	nal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
	Claims Nos.: 13-15,17-38. The clams are improper multiple dependent. PCT 6. because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:	
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
	As all required additional search fees were timely paid by the applicant, this international search report covers all	
	searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment	
2.	of any additional fees.	
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 1,2 in part; and claims 3-12,16	
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on P	payment of a protest fee.	
	The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.	
	No protest accompanied the payment of additional search fees.	

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7): C07D 471/00; A61K 31/44					
tis Ci · 546/82: 514/293					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 546/82; 514/293					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category * Citation of document, with indication, where a	appropriate, of the relevant passages Relevant to claim No				
A KSHIRSAGAR, TA 'Preparation of oxime substitute inducers of cytokine biosynthesis for treatment of vi 143:26604 (2005)	ed imidazo-containing compounds as 1,2 in part;3-12,16 ral and neoplastic disease' CA				
Further documents are listed in the continuation of Box C.	See patent family annex.				
Special categories of cited documents:	"T" later document published after the international filing date or priority				
and the second section of the	date and not in conflict with the application but cited to understand to principle or theory underlying the invention				
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive ste when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination				
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art				
"P" document published prior to the international filing date but later than the priority date claimed	document member of the same patent family				
Date of the actual completion of the international search	Date of mailing of the international search report				
13 December 2005 (13.12.2005) Name and mailing address of the ISA/US	Authorized officer				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Amelia A. Owens All Company of the C				
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Telephone No. 571-2/2-0700				

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BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACK. This application contains the following inventions or groups of inventions which are concept under PCT Rule 13.1. In order for all inventions to be examined, the approximation of the process	e not so linked as to form a single general inventive		
Group I, claim(s) 10,16 and claims 1,2 in part, drawn to compound of formula I or II wherein RA/RB do not form a ring. Group II, claim(s) 3-8 and claims 1,2 in part, drawn to compound of formula I or II where RA/RB form 6-membered carbocyclic ring.			
Group III, claim(s) 9,11 and claims 1,2 in part, drawn to compounds of formula I or II where RA/RB form 6-membered nitrogen containing ring.			
Group IV, claim(s) 1,2 in part, drawn to compound of formula I or II where RA/RB form a ring not described I Group II or Group III. The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Tricyclic imidazoquinoline of Group II, the tricycle imidazonapthyridine of Group III, and the various Group IV tricyclic compounds containing 5 or 7-membered carbocyclic or hetero rings would not have been of sufficient similarity to allow a Markush grouping to exhibitity, absent some teaching of equivalence in the prior art.			
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